

DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-C001

APPLICATIONS SOFTWARE
13 April 1983

CABLE REPORTS FILE ARCHIVE

SYMBOLIC TITLE: CRFARCH
PROGRAMMER:

STAT

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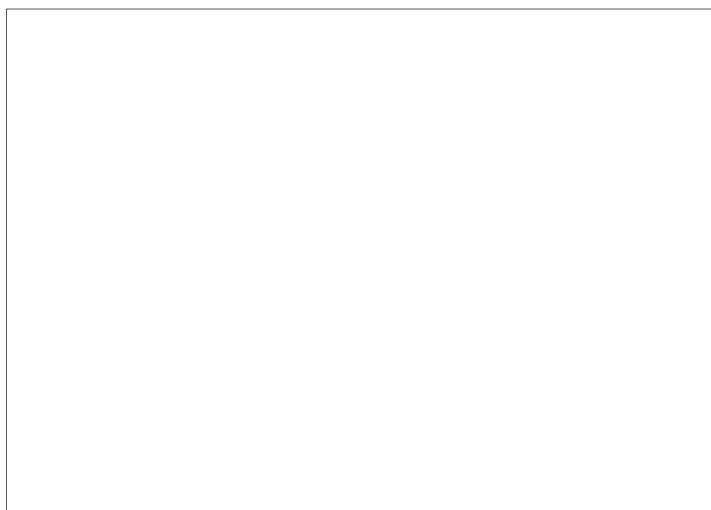
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Program CRFARCH

Date 24 November 1981

APPROVALS

This operations manual has been reviewed and approved by the following persons:



STAT

4 Feb 82
(date)

2/5/82
(date)

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Program CRFARCH

Date 24 November 1981

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SUMMARY

CRFARCH archives the CRF file to a history tape, then purges it from the data base. Only the oldest day is archived for each execution of CRF archive. To archive N days would require N starts of the program.

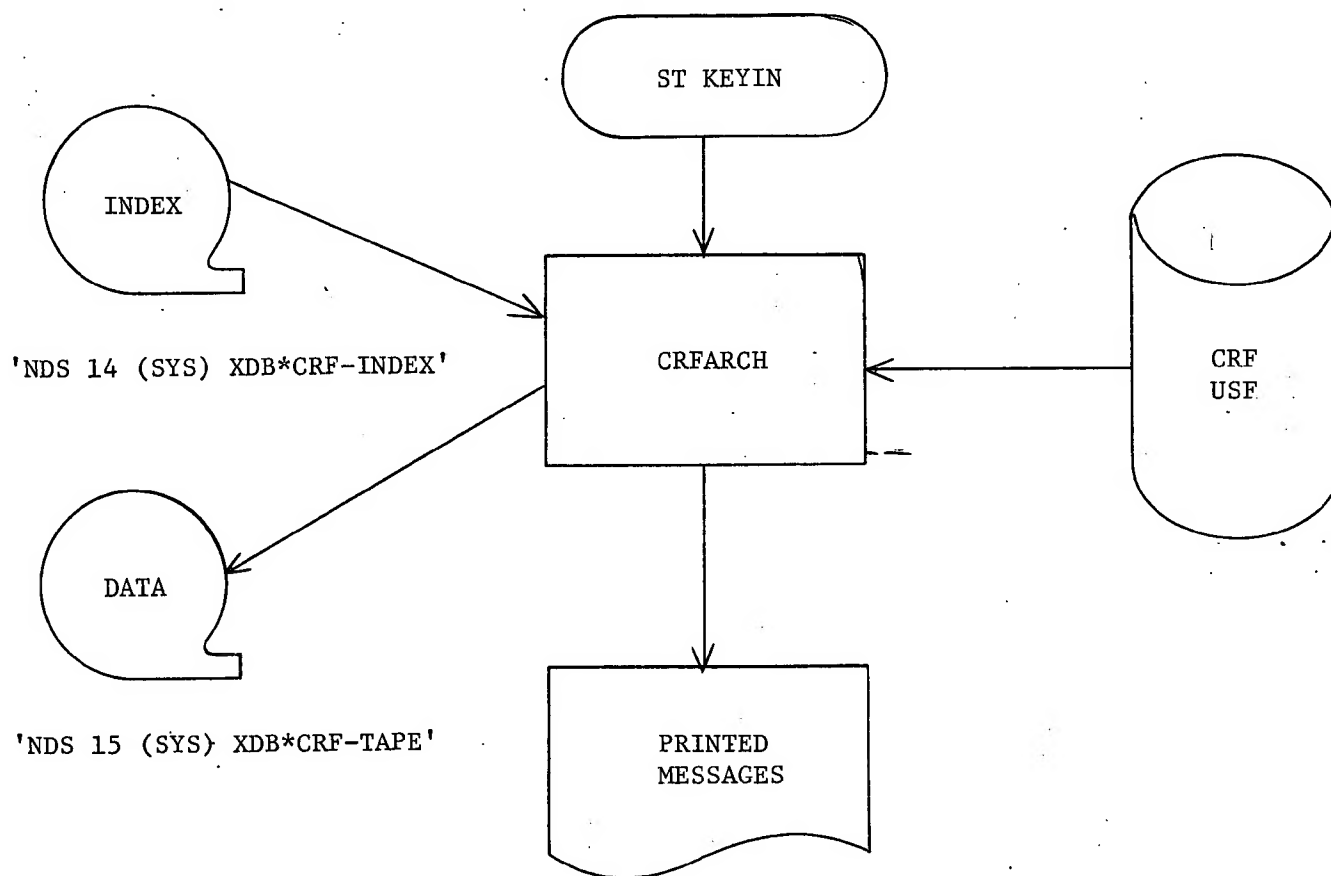
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OPERATIONAL FLOW CHART



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COMPUTER RUN PREPARATION

CONSOLE INPUT

ST XDB*P\$RUN.CRFARCH/XQT

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MAGNETIC TAPE INPUT

Contents and Description of Tape Data

Type of Unit (7 Track or 9 Track)

9-track tape

Standard Tape Label: 'NDS 14 (SYS) XDB*CRF-INDEX'
(to be inserted by programmer)

Label Block File Name:

Mode: 1600BPI

Code: ASCII

Record and Block Size: 29 characters per record/1 record per block

File Sequence: Sequential

Source Program:

Source Component:

Disposition:

Restrictions:

Quantity:

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MAGNETIC TAPE OUTPUT

Contents and Description of Tape Data

Variable length records from 1 to 299 characters per block

Unit

9-track tape

Standard Tape Label: 'NDS 15 (SYS) XDB*CRF-TAPE'
(to be inserted by programmer)

Label Block File Name:

Mode: 1600 BPI

Code: ASCII

Record and Block Size: 1 to 10 records per block

File Sequence:

Source Component:

Disposition:

Retention Period:

Restrictions:

Quantity:

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HIGH-SPEED PRINTER OUTPUT

Identification: CRFARCH

Format:

Type of Form:

Disposition:

1. Contains summary statistics.
2. Successful completion message.
3. Abort procedures and error condition.
4. Return listing to Data Base Section through TSS.

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PROGRAM LOADING

Type of Program: Batch/DMS

Start Keyin:

Run ID:

DMR ID:

ECRT:

General Equation -

Sample Estimate -

FINAL CHECK SUMMARY

1. Runstream loaded via an ST KEYIN.
2. Requires two tapes (index and data).
3. Upon completion of run, save tapes.

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COMPUTER RUN PREPARATION SUMMARY

Assembly System: SPURT FD _____ SPRYE _____ ALGOL _____ FORTRAM IV _____ COBOL x _____ SIMSCRIPT _____
 Hardware System: UNIVAC 1100/80 Run Sequence 1 of 1
 Application: _____ Program Name CRFARCH Programmer Core: Min _____ Max STAT
 Drum: CRF and USE files Estimated Run Time: _____

MAGNETIC TAPE (File Protect All Output Tapes)

Logical Servo No.
 or Symbolic Name 1100 9-track drive
 Work
 Input/Output input
 Standard Tape
 Labels XDB*CRF-TAPE
XDB*CRF-INDEX
 Disposition: Reten-
 Save, List, & tion
 Release Period 1 year
 Next Phase
 [Prog. Name(s)] _____

INPUT

_____ Data Cards - Prog. Controlled (Volume) _____
 _____ Parameters - Prog. Controlled (Volume) _____
 _____ Parameters - Oper. Load as Errata (Volume) _____
 _____ Paper Tape (Volume) _____
 1004 Board Name (no.) _____ Carriage Tape OUTPUT On _____ Off _____ Line _____
 Off Line Estimated Run Time: _____ (Hours & Tenths)
 Printer (Type Paper/No. of Copies) _____
 Cards on _____ Off _____ Line: _____ Plotter On _____ Off _____ Line: _____
 (Volume) (Amount of paper in feet)
 Other On _____ Off _____ Line: _____
 (Volume)

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ON-LINE COMPUTER PROCESSING

EQUIPMENT REQUIREMENTS

Computer: UNIVAC 1100

Schema Used:

Storage:

Core Required -

I Bank - 17176

D Bank - 3315

Peripheral Devices:

2 - 9-track tape drives

1 - operator console

Restrictions:

Files Accessed:

Files Created/Deleted:

File Size:

Approximate Number of Accesses:

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NORMAL RUN INSTRUCTIONS

Initiation: ST XDB*CRFARCH/XQT

Console MessageOperator Action

1. CRF ARCHIVAL IS ABOUT TO BEGIN
2. DMS RUN, UPDATE, CRF, FLEWELLING,
X3313, NEED 2 TP DRIVES
3. NUMBER OF CBL-DAT-REC RECORDS
DELETED = #
4. CRFARCH TASK SUCCESSFULLY COMPLETED
5. CRFARCH HAS BEEN SCHEDULED TO RUN AT
1830 HRS
6. CRF TAPE INDEX HAS BEEN SUCCESS-
FULLY BACKED UP
7. THE END OF TAPE HAS BEEN REACHED
FOR CRF TAPE - REEL NUMBER = XXXXXX.
BEFORE TAPE SWAP - PLEASE KEY IN NEXT
REEL NUMBER FOR CRF ARCHIVAL (6
CHARACTERS MAXIMUM).
8. ARE YOU SURE THE REEL NUMBER IS
CORRECT? TYPE Y TO CONTINUE OR N
IF THE NUMBER WAS WRONG.
9. SAVE THIS NEXT TAPE FOR CRF FILE
ARCHIVAL[[[DISMOUNT REEL XXXXXX
AND REPLACE WITH REEL XXXXXX.
REMOVE WRITE RING FROM REEL.
END-OF-REEL PROCESSING COMPLETE.

Respond with a space.

When these messages appear,
there program has completed
successfully.

Key in the text CRF FILE
ARCHIVAL REEL NUMBER. Enter
from 1 to 6 characters/numbers
for the reel number. Do not
precede the number with spaces
or zeroes. Return old reel to
tape library.

Key in Y or N. If N is typed
in, CONSOLE MESSAGE #9 will
reappear again.

The tape for which the reel
number was previously keyed in
will be considered to be the
current reel. Be sure to label
this current reel. Remove the
write ring from the 'old' reel.
Leave in the write ring for the
'new' or current reel.

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NORMAL RUN INSTRUCTIONS (Continued)

Console Message

10. BEFORE CONTINUING PLEASE KEY IN
REEL NUMBER USED.
11. IS TAPE # THE CURRENT INDEX TAPE

Operator Action

Answer with the index tape
number used.

Answer Y to continue or N to
rewind the tape and call for
the tape again.

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ABNORMAL RUN INSTRUCTIONS

<u>Console Message</u>	<u>Operator Action</u>
1. CRF ARCHIVAL ERROR (SUBROUTINE NAME) ERROR OCCURRED WHILE ATTEMPTING TO (DMS COMMAND STATEMENT) DMR ERROR XXXXXX OPERATOR MUST RESCHEDULE THIS JOB VIA ST KEYIN	Call Programming Branch for assistance as soon as possible. Save any output listings that come out. This will help in diagnosis of the problem. After the problem has been resolved, restart runstream for immediate execution.
2. CRF ARCHIVAL ERROR ERROR OCCURED IN (SUBR NAME) WHILE ATTEMPTING TO (DMS STATEMENT) RUN-UNIT ROLLBACK HAS OCCURED DMR ERROR XXXXXX OPERATOR MUST RESCHEDULED THIS JOB VIA A ST KEYIN	Check the DMR ERROR value. If the first two digits = 03 or 13, check to see if TIMER is down or a QUICK REC is in progress. Reinitiate TIMER if TIMER is down or wait till QUICK REC FINS and then restart runstream for immediate execution. Otherwise, contact Programming Branch as soon as possible. Save any output listings.
3. THIS REEL DOES NOT MATCH CURRENT REEL NUMBER *****PLEASE CHECK TAPE***** THIS REEL NUMBER IS XXXXXX	This reel mounted is not the reel which was requested. Check the reel number. If the current reel number (requested) is the same as the reel number of the mounted tape, contact Programming Branch as soon as possible.
4. INVALID KEY ERROR IN MASS STORAGE FILE CALL FOR ASSISTANCE	Contact Programming Branch as soon as possible. Possible problem with mass storage FILE XDB*CRF-INDEX.
5. CSF ERROR XXXXXXXXXXXXX	This message appears in conjunction with other messages.

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ABNORMAL RUN INSTRUCTIONS (Continued)

Console Message

Operator Action

6. ERROR WAS MADE IN ATTEMPTING TO ASSIGN OR FREE TAPE

MAKE SURE THAT 2 TAPE UNITS TYPE 16N IS UP

TYPE IN R WHEN READY OR T TO TERMINATE RUN

IF RUN IS TERMINATED, THIS JOB MUST BE RESCHEDULED VIA AN
ST XDB*CRFARCH/XQT,,DMS/DMS

7. DMS ERROR - CALL DATA BASE SECTION FOR ASSISTANCE

SAVE ANY OUTPUT LISTING

8. NTRAN ERROR*UNIT\$ IS NOT AVAILABLE FOR NTRAN

9. ERROR IN CALLING CSF ERROR
STATUS IS XXXXXXXXXXXX

Self explanatory. If problem persists, contact Programming Branch.

This message appears whenever any DMS error occurs.

NTRAN in PASARCH uses UNIT #11 for tape I.O. Some other program is currently using tape #11. Wait a few minutes and restart for immediate execution. If problem persists, contact Programming Branch. Obtain list of other programs in core.

Operator must reschedule this job via ST keyin. Enter the following: ST XDB*CRFARCH/XQT